

Plant
Protection &
Quarantine

United States Department of Agriculture
Animal and Plant Health Inspection Service
4700 River Road
Riverdale, MD 20737

Permit to Move Live Plant Pests, Noxious Weeds, and Soil

Importation
Regulated by 7 CFR 330

This permit was generated electronically via the ePermits system

PERMITTEE NAME:	Christina Huben	PERMIT NUMBER:	P526P-18-00555
ORGANIZATION:	BioConsortia, Incorporated	APPLICATION NUMBER:	P526-171024-030
ADDRESS:	1940 Research Park Drive Suite 200 Davis, CA 95618	FACILITY NUMBER:	3461
MAILING ADDRESS:	1940 Research Park Drive Suite 200 Davis, CA 95618	HAND CARRY:	No
PHONE:	530-564-5572	DATE ISSUED:	02/13/2018
FAX:		EXPIRES:	02/13/2021
DESTINATION:	BioConsortia, Incorporated, 1940 Research Park Drive, Suite 200, Davis, CA 95618		
DESIGNATED PORTS:	CA, El Segundo; CA, San Francisco; FL, Miami (Cargo, DHL, Fed Ex, UPS, etc.); GA, Atlanta (Air Cargo Only - No Maritime shipments authorized); MD, Beltsville; NJ, Linden; NY, Jamaica; TX, Los Indios; WA, SeaTac		

Under the conditions specified, this permit authorizes the following:

<u>Regulated Article</u>	<u>Life Stage(s)</u>	<u>Intended Use</u>	<u>Shipment Origins</u>	<u>Originally Collected</u>	<u>Culture Designation</u>
[]	Lyophilized plant or microbes, Microbial solutions, Spores	Research - Growth Chamber (lab included)	New Zealand	Originally Collected from Foreign Locations	
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SPECIAL INSTRUCTIONS TO INSPECTORS

See permit conditions below

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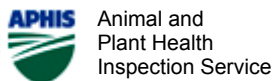
THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.

Jorge Abad

DATE

02/13/2018

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)



INSTRUCTIONS TO DHS CBP AGRICULTURAL SPECIALISTS:

SHIPMENT BY BONDED CARRIER

1. Confirm that the carrier of the shipment imported under this USDA PPQ 526 permit is commercially bonded.
2. Confirm that the imported shipment has a valid USDA PPQ Form 599 Red/White label attached to the exterior for routing to a USDA APHIS PPQ Inspection Station or other "Designated Port" as stated on the Permit. A valid label will have the permit number, expiration date, label number, and address of a USDA APHIS PPQ Plant Inspection Station/Designated Port.
3. Validate the permit in ePermits using the CBP search feature.
4. If a valid PPQ Form 599 Red/White label is not attached to the exterior of the package or the label has been covered or is otherwise not legible, then forward to the nearest USDA APHIS PPQ Plant Inspection Station.
5. If the address on the airway bill does not match the address on the PPQ Form 599 Red/White label then forward the package to the nearest USDA APHIS PPQ Plant Inspection Station/designated port shown on the PPQ Form 599 label. All costs associated with rerouting misaddressed packages will be assumed by the permit holder.

INSTRUCTIONS TO USDA PPQ INSPECTORS AT PLANT INSPECTION STATIONS:

Follow the instructions in the Plant Inspection Station Manual for High-Risk Microbial, Unknown Organisms (Diagnostics) Red and White Label Packages (must be opened in a biosafety cabinet).

For questions or concerns, contact the USDA APHIS PPQ Pest Permit Branch in Riverdale, MD, at 301-851-2046, toll free 866-524-5421.

PERMIT GUIDANCE

Receipt or use of foreign isolates or samples from countries under sanctions requires specific permission from the U.S. Department of Treasury (see <http://www.treasury.gov/resource-center/sanctions/Programs/Pages/Programs.aspx> for current country/regional listings) for current country listings.

This permit does not authorize importation, interstate movement, and/or environmental release of strains of genetically engineered regulated organisms (created by the use of recombinant DNA technology).

If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_anproducts.sh tml.

This permit does not fulfill the requirements of other federal or state regulatory authorities. As appropriate, please contact the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the

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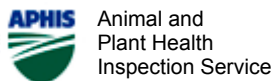
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APHIS Veterinary Services unit, or your States Department of Agriculture to ensure proper permitting.
 If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.

PERMIT CONDITIONS

This permit authorizes the importation of pure cultures containing organisms listed in the permit from New Zealand to Christina Huben of BioConsortia, Incorporated, located at 1940 Research Park Drive Suite 200 Davis, California 95618, for laboratory and growth chamber research. Experiments with the regulated articles must be conducted in the inspected containment facility (CF) # 3461, and is subject to the additional conditions below.

1. The permit holder must:
 - (a) comply with all requirements and permit conditions,
 - (b) maintain a valid permit so long as the regulated organisms are alive,
 - (c) this permit cannot be assigned or transferred to other persons.
 - (d) permittee must maintain a residence in the United States
 - (e) safeguard and dispose of the regulated organisms during the term of this permit,
 - (f) take all necessary precautions to prevent the unauthorized release of regulated organisms. In the event of an unauthorized release, the permit holder must notify the permit unit,
 - (g) adequately mitigate environmental impacts resulting from unauthorized release of regulated organisms,
 - (h) contain any/all organisms not authorized under this permit,
 - (i) notify the permit unit of the receipt of unauthorized organisms,
 - (j) notify the permit unit if facilities are destroyed or decommissioned for any reason,
 - (k) maintain an official permanent work assignment at the address on this permit,
 - (l) notify the permit unit in advance of any change in the permit holder's work assignment,
 - (m) destroy all regulated organisms prior to departure unless other arrangements are confirmed by the permit unit prior to the permit holder's departure, and
 - (n) notify the permit unit of the destruction of regulated organisms.

Notifications to the permit unit must be made via 866-524-5421 or pest.permits@aphis.usda.gov within one business day of the event triggering a notification.

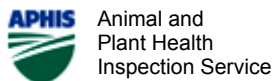
2. All persons working with these organisms must be informed of these permit conditions. Anyone working with these organisms must agree to and sign/ initial these conditions before beginning work. These signed conditions do not need to be submitted to USDA/ APHIS but must be readily accessible in the event of an inspection and presented upon request.

Note: these conditions may be copied and stored electronically for electronic signature and initialing provided that the permit number, authorized organisms and life stages, release locations if

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applicable, and authorization statement all appear on the document with the permit number. Signing these conditions only indicates that the person working under this permit has read them; the permit holder is the sole responsible party under this permit.

3. Without prior notice and during reasonable hours, authorized PPQ and/or State regulatory officials shall be allowed to inspect the conditions associated with the regulated organisms authorized under this permit.
4. Cultures must be imported in a securely closed, watertight container (primary container, test tube, vial, etc.) which must be enclosed in a second, durable watertight container (secondary container). Several primary containers may be enclosed in a single secondary container. The space at the top, bottom, and sides between the primary and secondary containers shall contain sufficient non-particulate absorbent material (e.g., paper towel) to absorb the entire contents of the primary container(s) in case of breakage or leakage. Each set of primary and secondary containers shall then be enclosed in an outer shipping container constructed of corrugated fiberboard, corrugated cardboard, wood, or other material of equivalent strength.

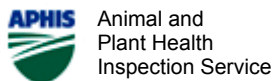
Place a copy of this permit with all shipments.

5. Upon receipt, whenever possible, all packages must be opened within a laminar flow biosafety cabinet that meets or exceeds Class II, Type A, in or associated with the permit holder's assigned laboratory facilities within CF#3461 to ensure the shipment contains only permitted organisms and is free of contaminants. Cultures must be in sealed containers during transport to or within the permit holder's assigned research facilities.
6. All un-used and leftover organisms, and all packaging materials in contact with organisms and/or contaminants, shall be sterilized or destroyed immediately after removing regulated material.
7. All research activities, plant inoculations and subsequent disease development must occur in laboratories and growth chambers within CF#3461 that have been inspected and found adequate for containment of the organisms received under this permit. Access to laboratories and growth chambers must be restricted to authorized personnel.
8. Organisms must be maintained or stored in the permit holder's research facilities within CF#3461. All stored organisms must be kept in a locked area with access restricted to authorized personnel.
9. This authorization is strictly for research in a controlled environment and is not valid if the organism(s) will be used in greenhouse, field research or will be released into the environment.
10. Measures to control vectors (e.g. black lights, yellow sticky boards, insecticides) must be in place to minimize vector transmission in the growth chambers.
11. No vector transmission studies are allowed.
12. Upon completion of research, all inoculated plants, plant material, soil and/or growing media must be treated by autoclaving, incineration, or other equivalent methods. Glassware and other materials used to conduct research must be decontaminated prior to reuse or disposal.

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13. If Autoclaving Waste:

- a. Waste must be autoclaved at 121 degrees Centigrade (250 degrees Fahrenheit) for a minimum of 30 minutes.
- b. Autoclave tape or other indicators must be placed on each bag or sharps container prior to treatment. The autoclave tape or other indicator on each container must be checked to verify color change before disposal.
- c. The autoclave log must be completed by each user for each autoclave cycle. All parameters must be noted as listed on the log for each autoclave load.
- d. If the autoclave does not attain the minimum time and/or temperature or the autoclave tape does not change color, a notation must be made in the comment section of the autoclave log. The load must then be re-autoclaved after placing new tape on the material. If minimum time and temperature is not attained on the second cycle, users must contact the person responsible for maintaining the unit to initiate repairs. Waste must then be treated at the alternate autoclave facility.
- e. Thermometers on the autoclave must be calibrated annually, and a written record must be maintained. Calibration must be done by an authorized autoclave service company during routine servicing.
- f. Every 6 months, you must use a commercially available test indicator kit that uses bacterial spores *Bacillus stearothermophilus* that are rendered unviable at 250 degrees F or 121 degrees C. For the test, ampoules of *B. stearothermophilus* are autoclaved along with a load of waste. Upon completion of the cycle, the ampoules are incubated for 48 hours and then observed for any sign of growth, which indicates insufficient sterilization. If any growth is observed, you must have the autoclave serviced and retested.

14. Upon issuance of this permit (i.e., a signed PPQ 526), you will need to request the PPQ Form 599 Red/White labels at least 5 days in advance. If you applied online using ePermits, you may request the labels using the My Shipments/Labels feature. Otherwise, send your request to Redandwhitelabelrequest@aphis.usda.gov. All email requests must come from the permit holder or appointee. If requested by the appointee the permit holder must be Ccd on all requests. Specify the approved port as listed on the permit and the total number of labels needed in multiples of 4. You may request additional labels the same way. APHIS-PPQ will send you the labels by email as a pdf. You are responsible for printing this pdf to produce your individual bar coded import labels. You may email the pdf to your suppliers for them to print and attach to the shipment. You or your suppliers must print all labels in color. Failure to do so may result in refused entry or destruction of your package.

A label must be attached with clear tape to the exterior of each package being imported under this

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permit. The labels will include detailed shipping instructions. You are responsible for instructing your shipper to carefully follow these instructions. You are responsible for each import shipping label issued under this permit.

Enclose the following supplemental information in each shipment:


- Permittee Name
- Permit number
- Label number

Underlying packaging/wrapping must carry the address, billing, and any other information required to direct the shipment to its final destination (i.e., the permit holder's address; N.B., USDA APHIS does not defray any additional shipping costs incurred for transiting the shipment through an inspection station as the initial US destination).

15. There is to be no further distribution of these organisms without prior approval from State and Federal regulatory officials. A valid permit is required for movement of the regulated materials.
16. Under the Plant Protection Act, individuals or corporations who fail to comply with these conditions and authorizations, or who forge, counterfeit, or deface permits or shipping labels may receive civil or criminal penalties, and may have all current permits cancelled and future permit applications denied.

END OF PERMIT CONDITIONS

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